

A66 Northern Trans-Pennine project

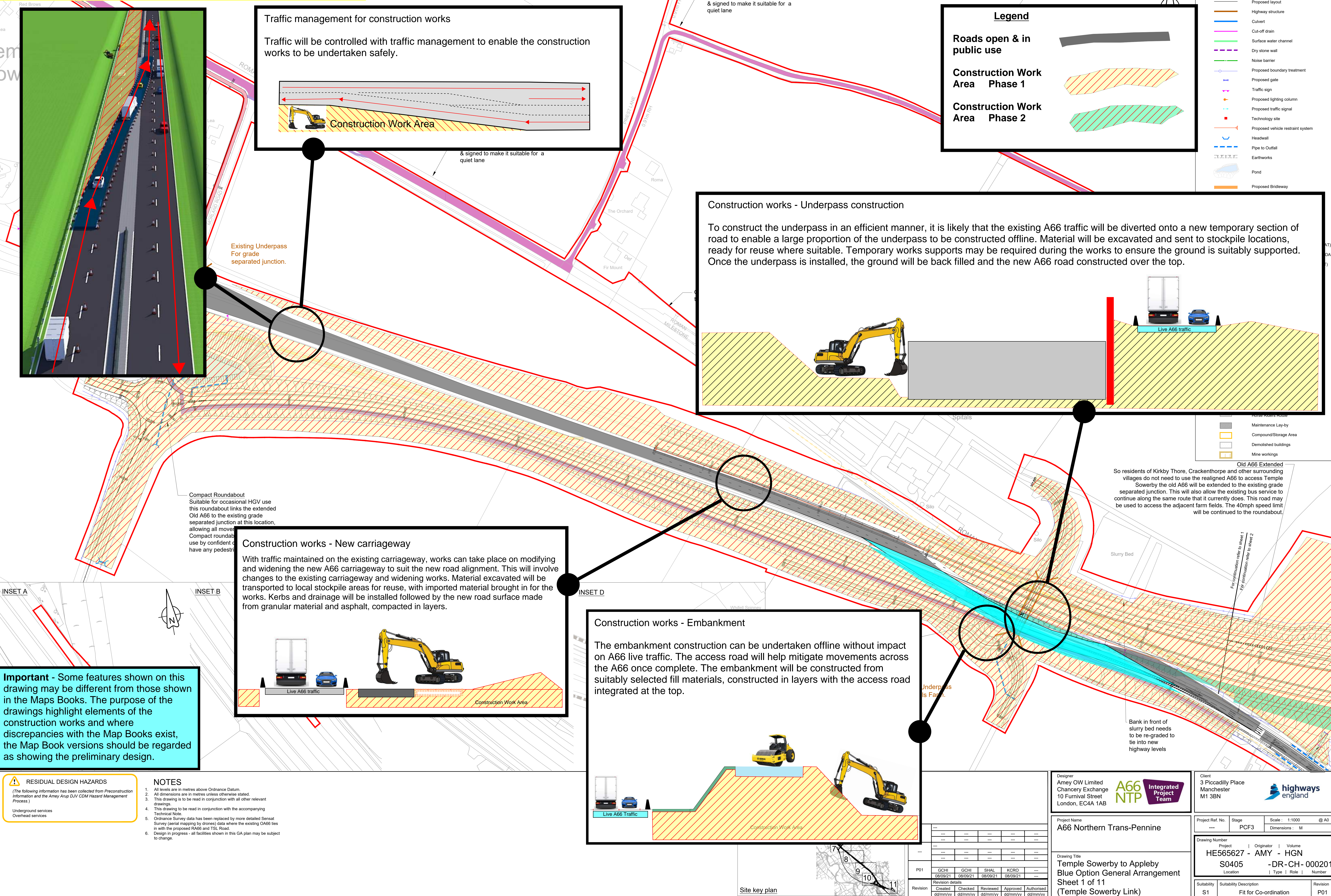
Draft Construction
Method and
Management
Statement

**Indicative
schematic drawings**

Volume 2

**Temple Sowerby to
Appleby - Crackenthorpe**

A66 - Key Proposed Construction Activities (Phase 1 Works)

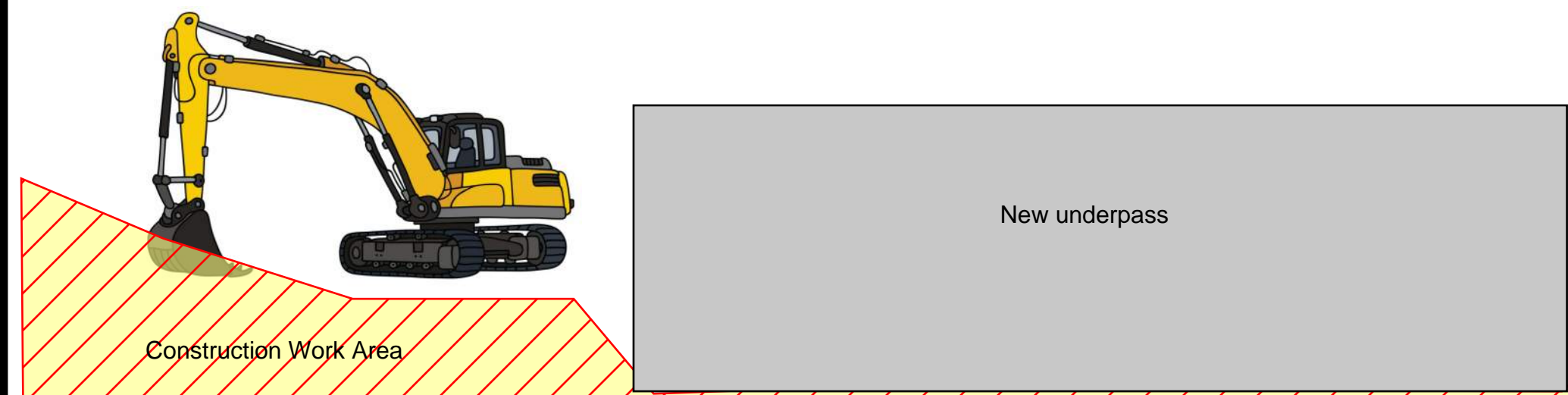


A66 - Key Proposed Construction Activities (Phase 1 Works)

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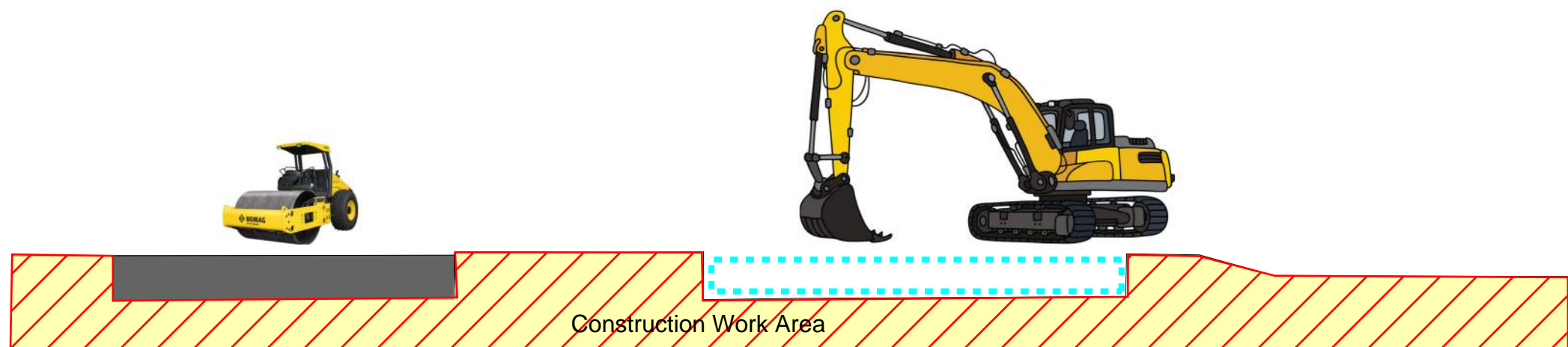
Construction works - Underpass construction

The underpass will help reduce movements across the new A66 and help improved safety for WCHs. This will be excavated into the ground with material transported to storage locations ready for re-use dependent on suitability. The structure will be constructed below ground and then buried to enable the new A66 to be constructed over the top.



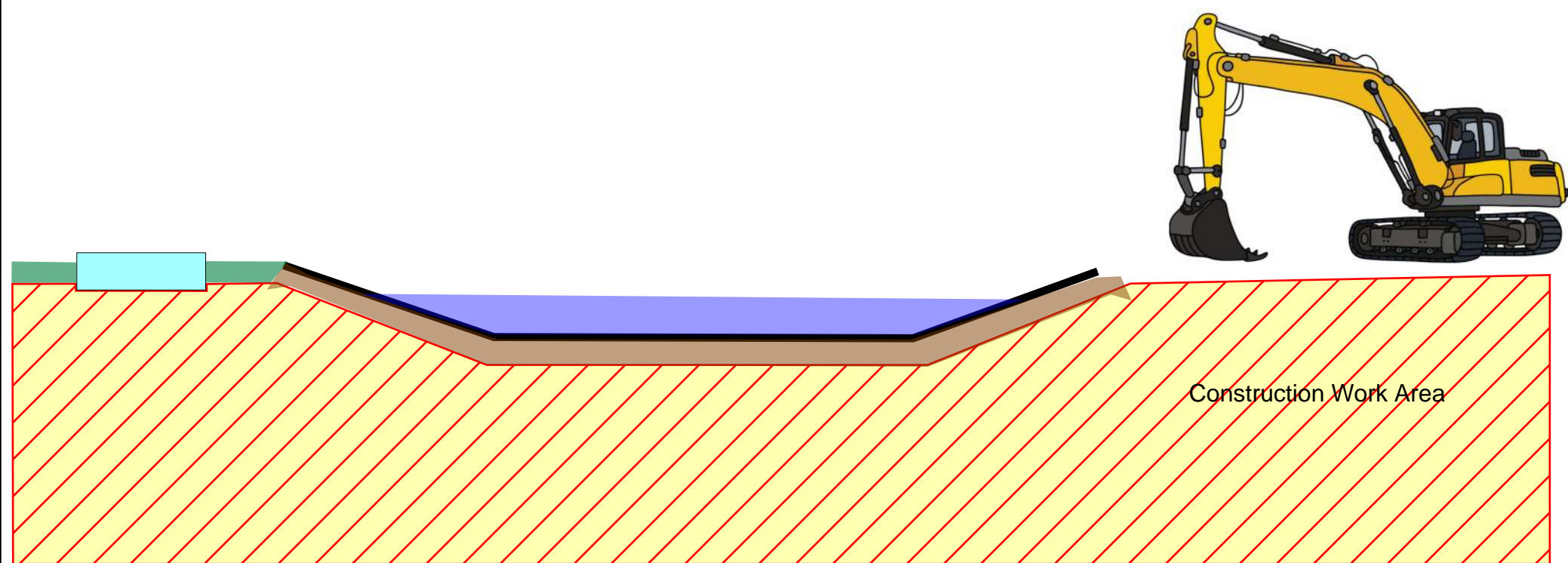
Construction works - New carriageway construction

With traffic maintained on the existing A66 route, construction works can take place on the new carriageway. Material will be excavated from the works location and moved to stockpile locations on the project. Material will be moved via eight wheel wagons or dump trucks with suitable routes established to minimise disruption to the A66. The new road will be constructed from imported stone and asphalt material, following the installation of kerbs and drainage.

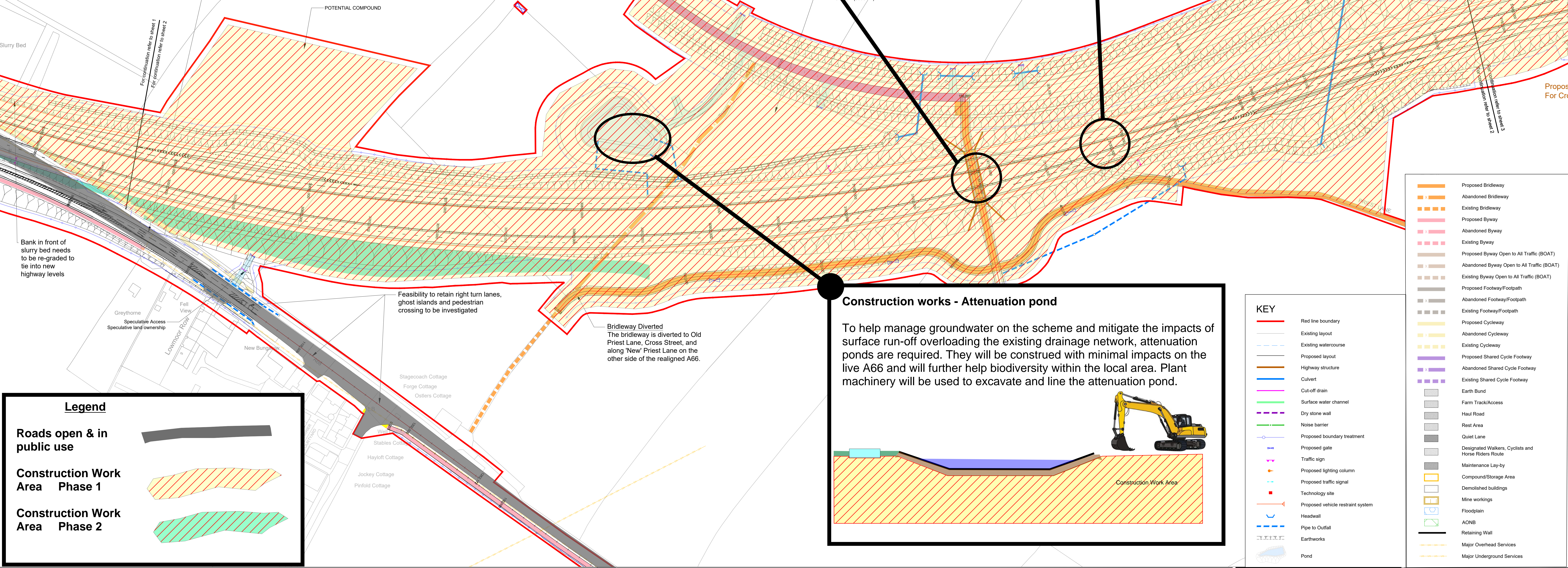


Construction works - Attenuation pond

To help manage groundwater on the scheme and mitigate the impacts of surface run-off overloading the existing drainage network, attenuation ponds are required. They will be construed with minimal impacts on the live A66 and will further help biodiversity within the local area. Plant machinery will be used to excavate and line the attenuation pond.



Old A66 Extended
So residents of Kirkby Thore, Crackenthorpe and other surrounding villages do not need to use the realigned A66 to access Temple Sowerby the old A66 will be extended to the existing grade separated junction. This will also allow the existing bus service to continue along the same route that it currently does. This road may be used to access the adjacent farm fields. The 40mph speed limit will be continued to the roundabout.



Legend

Roads open & in public use

Construction Work Area Phase 1

Construction Work Area Phase 2

RESIDUAL DESIGN HAZARDS
(The following information has been collected from Preconstruction Information and the Amey Anup DJV CDM Hazard Management Process.)
Underground services
Overhead Services

NOTES

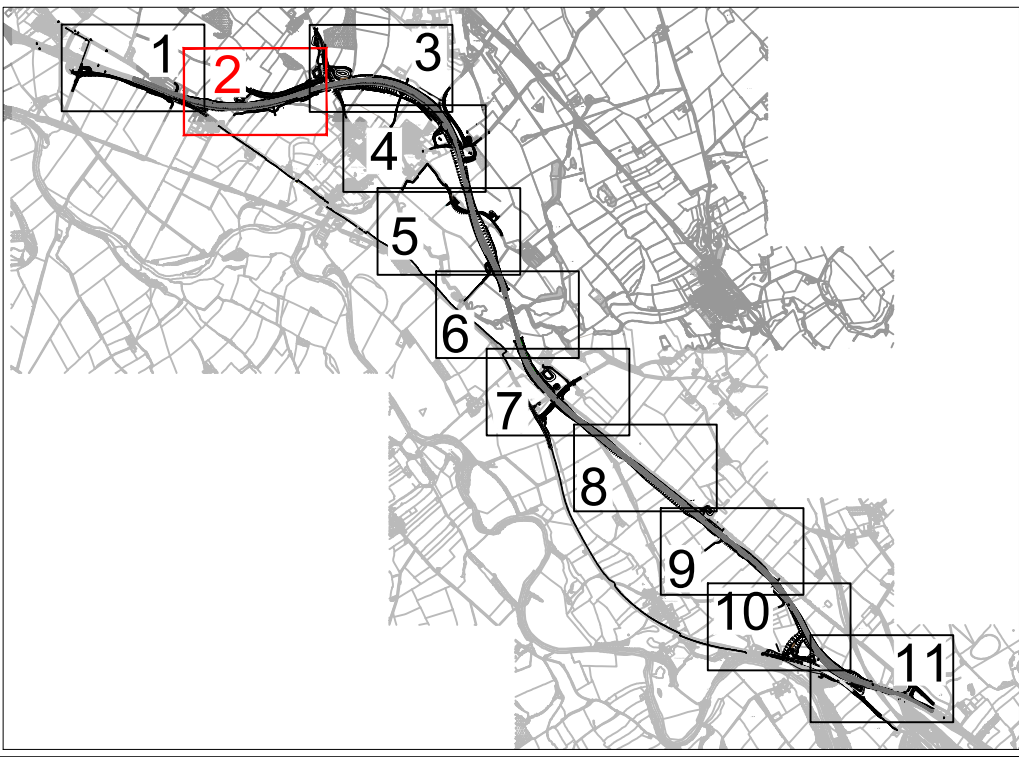
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- Design in progress - all facilities shown in this GA plan may be subject to change.

KEY

- Red line boundary
- Existing layout
- Existing watercourse
- Proposed layout
- Highway structure
- Culvert
- Cut-off drain
- Surface water channel
- Dry stone wall
- Noise barrier
- Proposed boundary treatment
- Proposed gate
- Traffic sign
- Proposed lighting column
- Proposed traffic signal
- Technology site
- Proposed vehicle restraint system
- Headwall
- Pipe to Outfall
- Earthworks
- Pond

- Proposed Bridleway
- Abandoned Bridleway
- Existing Bridleway
- Proposed Byway
- Abandoned Byway
- Existing Byway
- Proposed Byway Open to All Traffic (BOAT)
- Abandoned Byway Open to All Traffic (BOAT)
- Existing Byway Open to All Traffic (BOAT)
- Proposed Footway/Footpath
- Abandoned Footway/Footpath
- Existing Footway/Footpath
- Proposed Cycleway
- Abandoned Cycleway
- Existing Cycleway
- Proposed Shared Cycle Footway
- Abandoned Shared Cycle Footway
- Existing Shared Cycle Footway
- Earth Bund
- Farm Track/Access
- Haul Road
- Rest Area
- Quiet Lane
- Designated Walkers, Cyclists and Horse Riders Route
- Maintenance Lay-by
- Compound/Storage Area
- Demolished buildings
- Mine workings
- Floodplain
- AONB
- Retaining Wall
- Major Overhead Services
- Major Underground Services

Site key plan



Revision	Created	Checked	Reviewed	Approved	Authorised
P01	08/09/21	08/09/21	08/09/21	08/09/21	---
Revision details	Created	Checked	Reviewed	Approved	Authorised
dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer
Amey OW Limited
Chancery Exchange
10 Fumival Street
London, EC4A 1AB

A66 NTP
Integrated Project Team

Client
3 Piccadilly Place
Manchester
M1 3BN

highways england

Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Blue Option General Arrangement
Sheet 2 of 11
(Low Moor Caravan Park)

Project Ref. No. Stage Scale : 1:1000 @ A0
--- PCF3 Dimensions : M

Drawing Number
Project | Originator | Volume
HE565627 - AMY - HGN
S0405 -DR-CH- 000202
Location | Type | Role | Number

Suitability Suitability Description Revision
S1 Fit for Co-ordination P01

A66 - Key Proposed Construction Activities (Phase 1 Works)

Legend

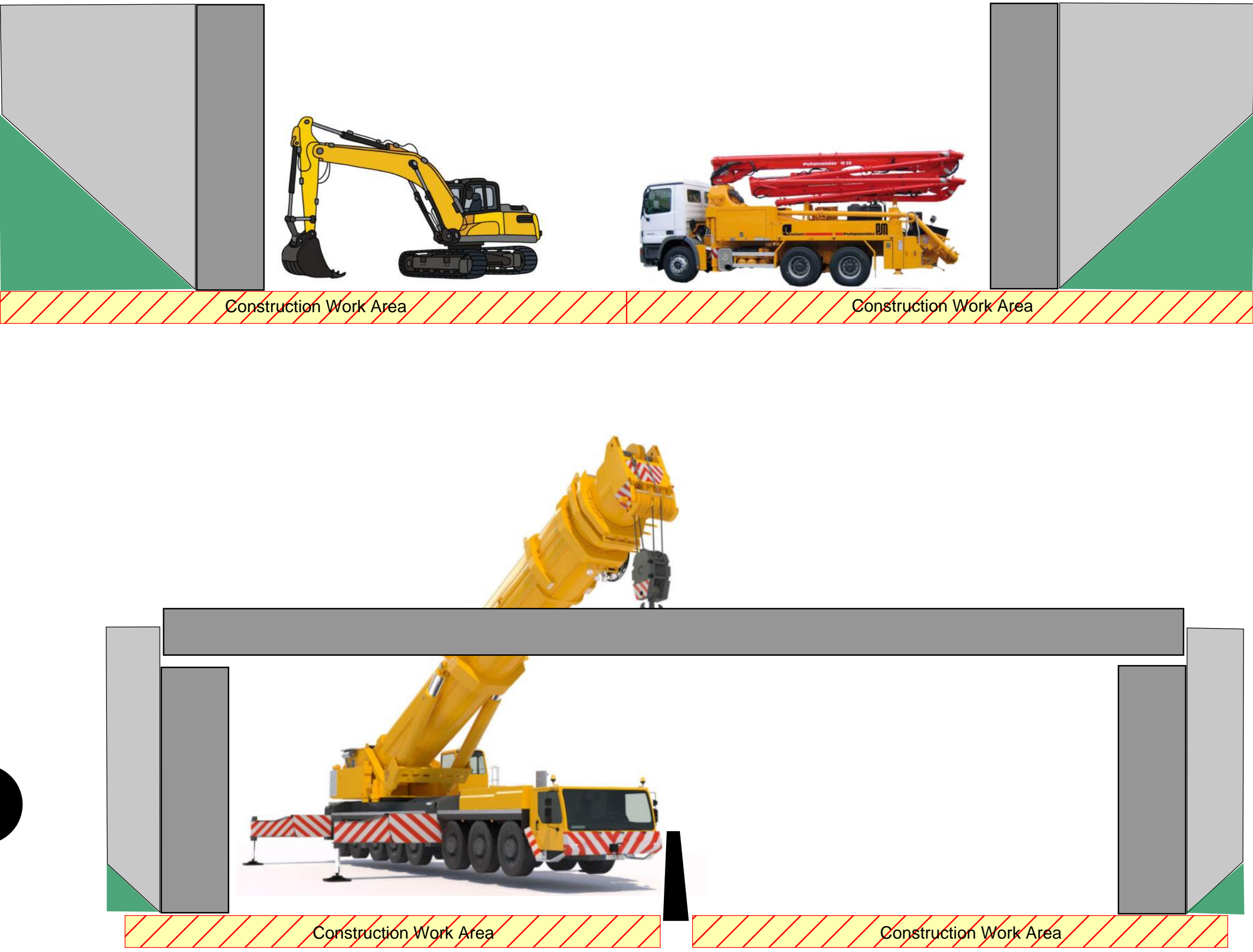
Roads open & in public use

Construction Work Area Phase 1

Construction Work Area Phase 2

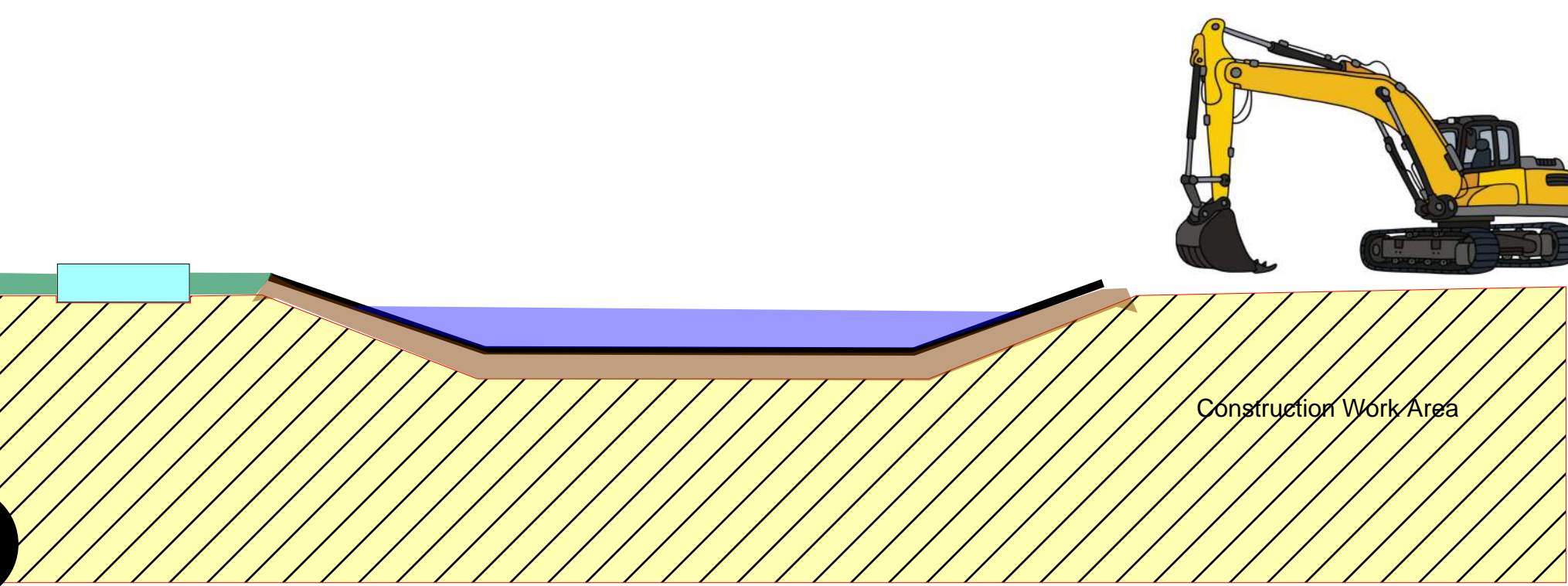
Construction works - Overbridge construction

Works will only commence on this new infrastructure, once a diversion route is established. Where the new bridge is to be constructed on the line of the existing road a temporary road will be constructed adjacent to it to allow local access. This will enable both abutments and the deck to be constructed in one phase of works, minimising disruption to local traffic. With the diversion in place it is likely that the bridge beams can be installed with limited additional traffic management.



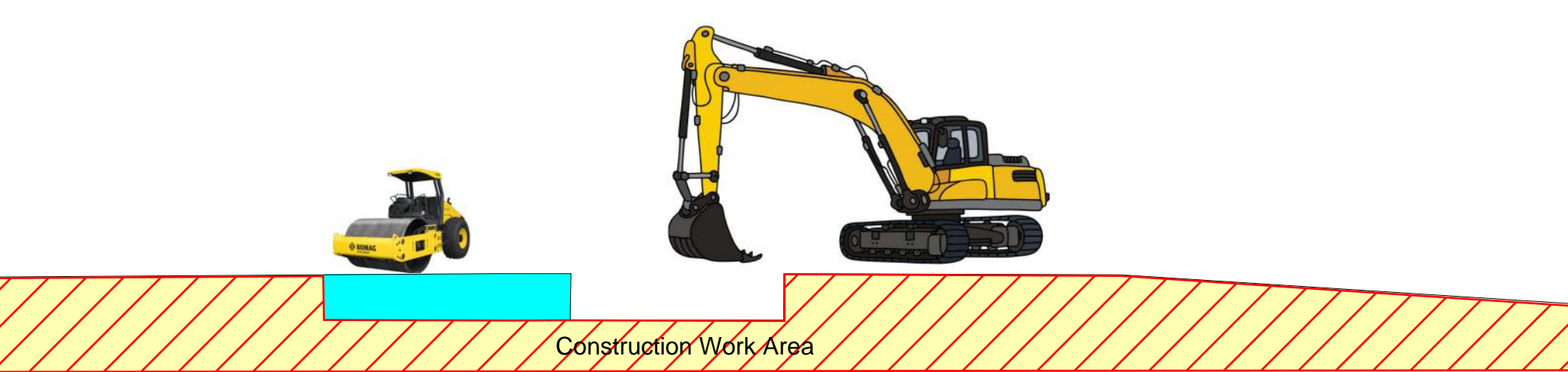
Construction works - Attenuation pond

To help manage groundwater on the scheme and mitigate the impacts of surface run-off overloading the existing drainage network, attenuation ponds are required. They will further help biodiversity within the local area. Plant machinery will be used to excavate and line the attenuation pond.



Construction works - New diversion route

To facilitate the construction of the new overbridge, a diversion route will be established to move traffic away from the work area. This will allow the new overbridge to be constructed in a safe and efficient manner. The new temporary road will be excavated to a stable formation level and a new granular and asphalt layer installed.



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	Proposed layout
	Highway structure
	Culvert
	Cut-off drain
	Surface water channel
	Dry stone wall
	Noise barrier
	Proposed boundary treatment
	Proposed gate
	Traffic sign
	Proposed lighting column
	Proposed traffic signal
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	Maintenance Lay-by
	Compound/Storage Area
	Demolished buildings
	Mine workings
	ACNB
	Retaining Wall
	Major Overhead Services
	Major Underground Services

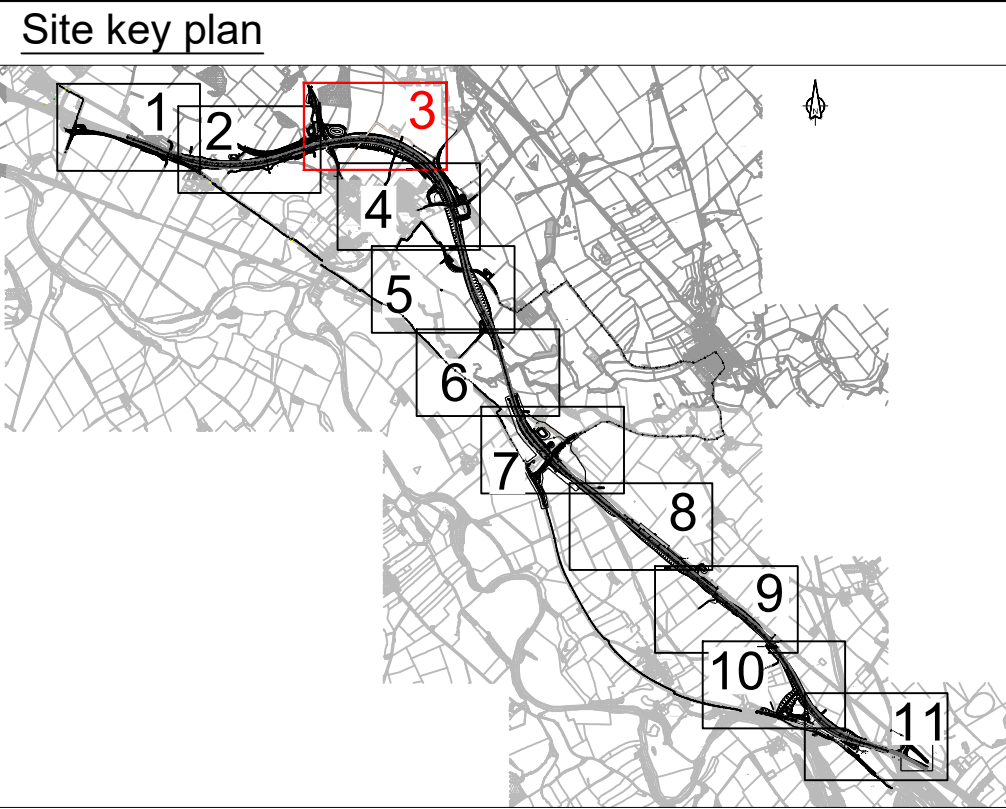
RESIDUAL DESIGN HAZARDS

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Underground Services

Overhead Services

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P01	GCHI	GCHI	SHAL	KCRO	---
	08/09/21	08/09/21	08/09/21	08/09/21	---
Revision details					
Revision	Created	Checked	Reviewed	Approved	Authorised
	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy	dd/mm/yy

Designer
Arney OW Limited
Chancery Exchange
10 Furnival Street
London, EC4A 1AB

A66 NTP

Integrated Project Team

Project Name
A66 Northern Trans-Pennine

Drawing Title
Temple Sowerby to Appleby
Blue Option General Arrangement
Sheet 3 of 11
(Kirkby Thore School)

Client
3 Piccadilly Place
Manchester
M1 3BN

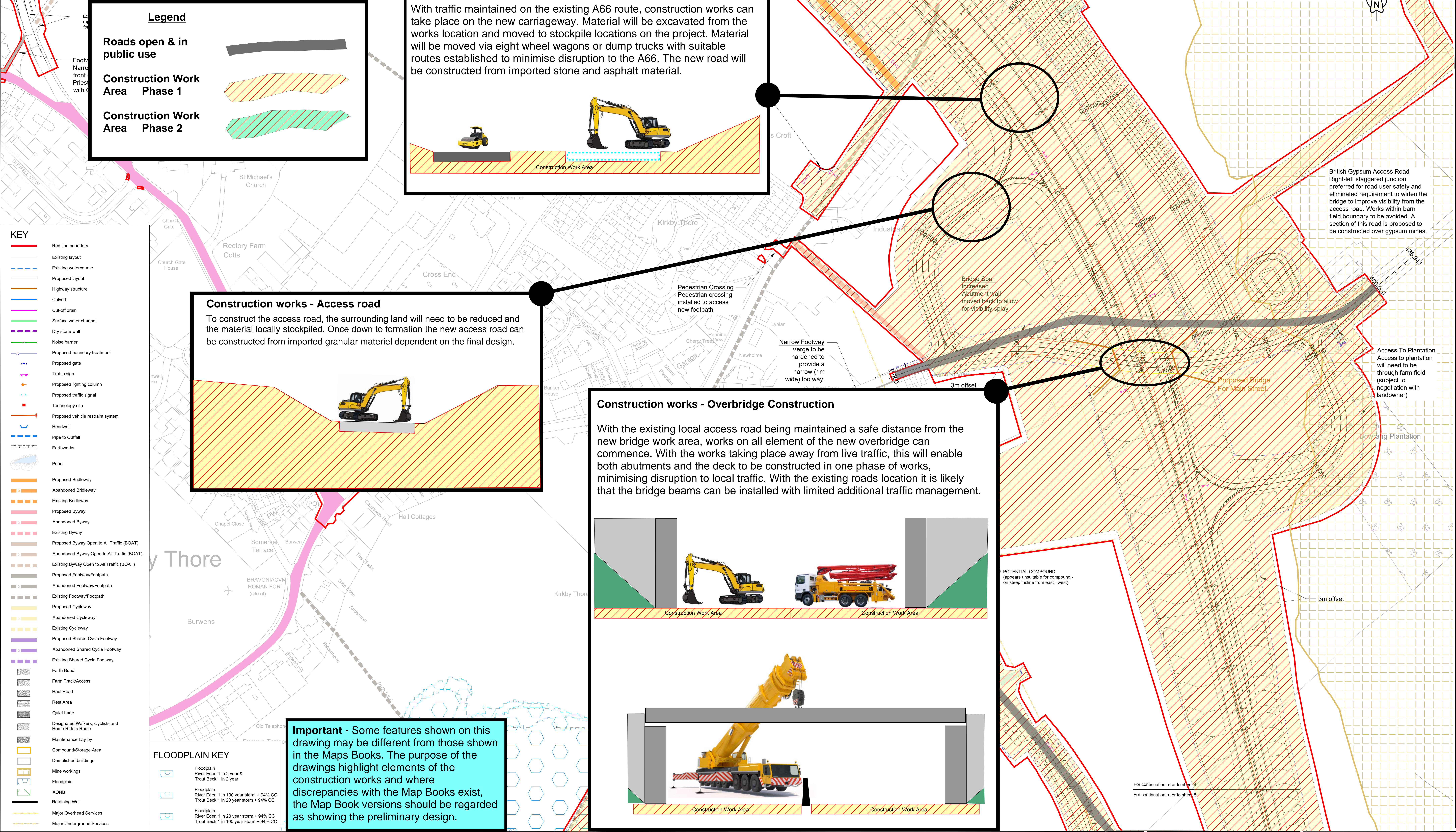
highways england

Project Ref. No.	Stage	Scale	@ A0
---	PCF3	1:1000	M

Drawing Number
Project | Originator | Volume
HE565627 - AMY - HGN
S0405 -DR-CH- 000203
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S1	Fit for Co-ordination	P01

A66 - Key Proposed Construction Activities (Phase 1 Works)



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FLOODPLAIN KEY

- Floodplain
River Eden 1 in 2 year &
Trout Beck 1 in 2 year
- Floodplain
River Eden 1 in 100 year storm + 94% CC
Trout Beck 1 in 20 year storm + 94% CC
- Floodplain
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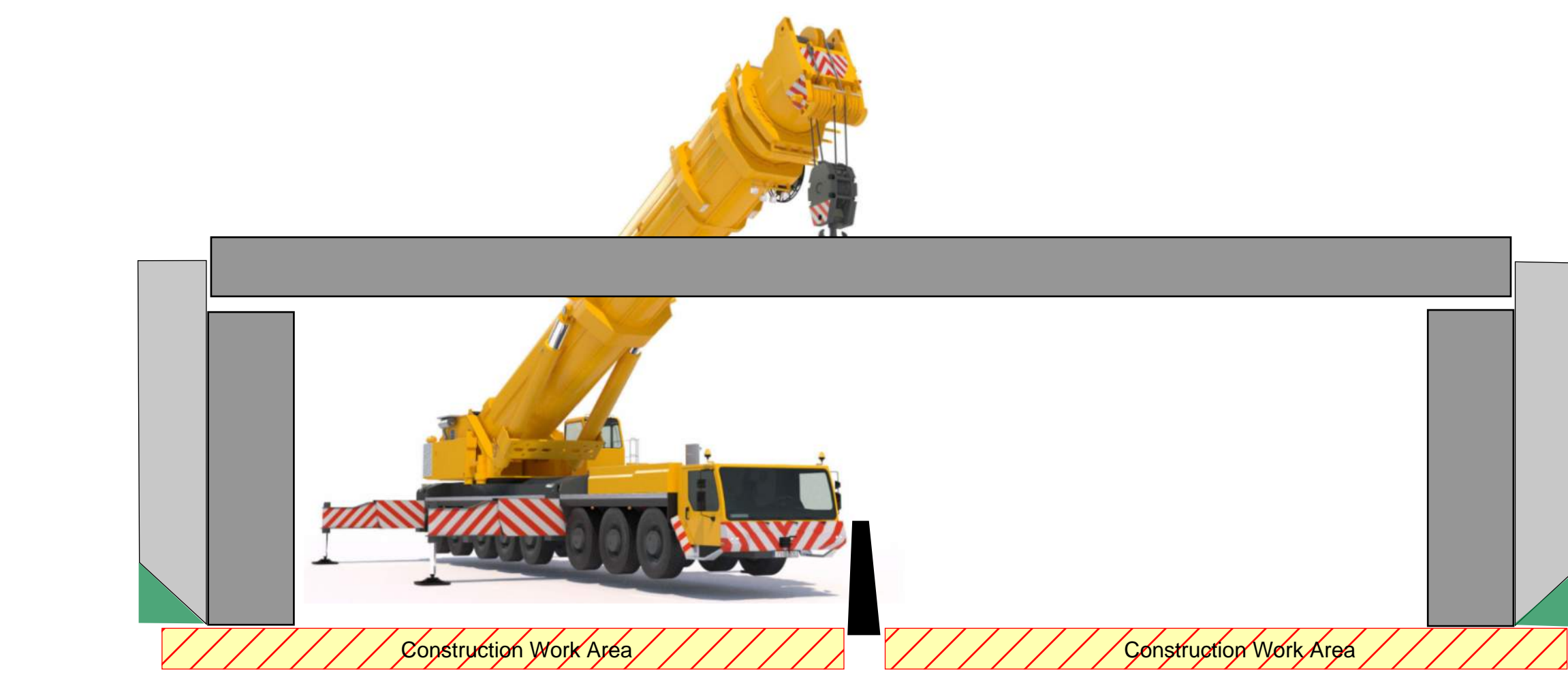
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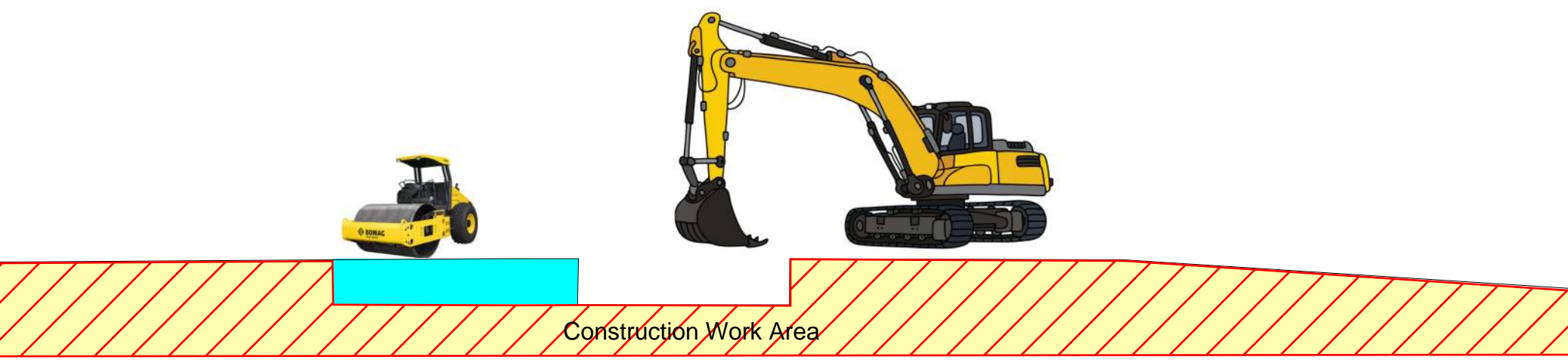
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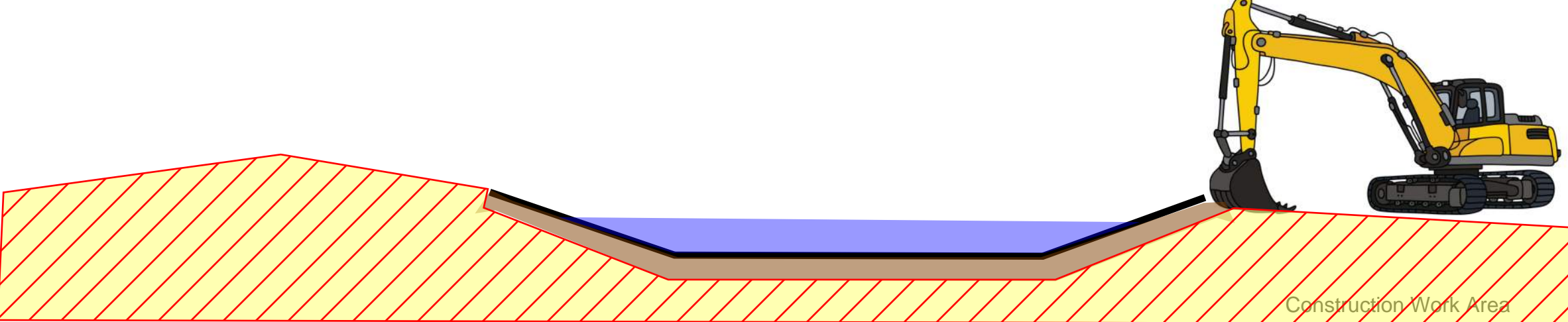
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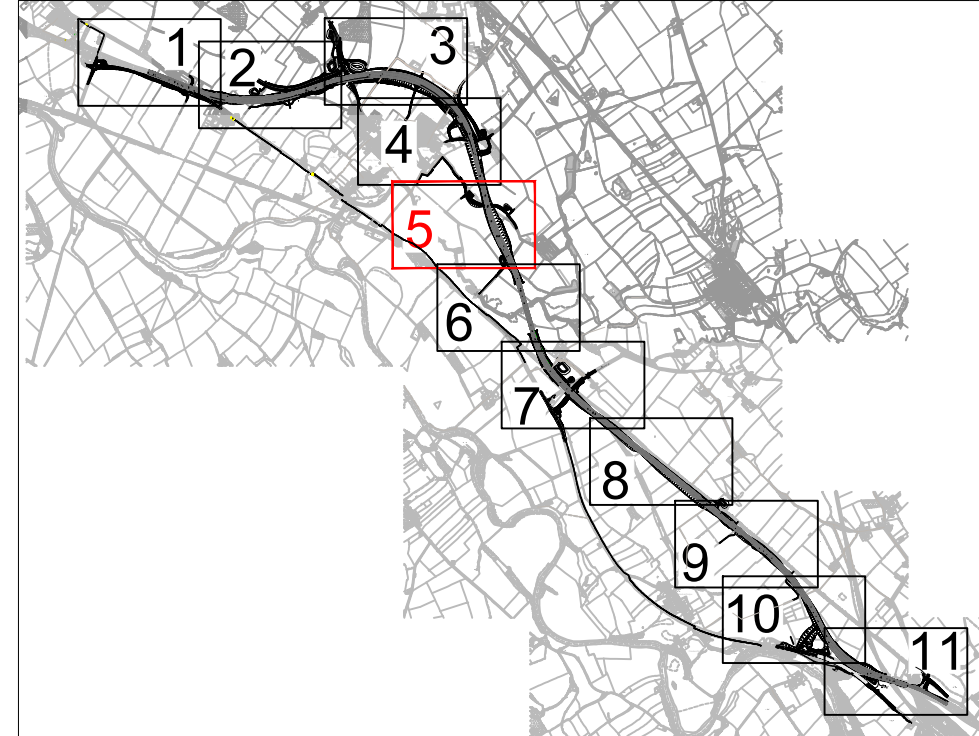


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Site key plan



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highways
england

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Sheet 5 of 11
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Project Originator Volume
HE565627 - AMY - HGN
S0405 -DR-CH- 000205
Location Type Role Number

Suitability Description
S1 Fit for Co-ordination P01

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